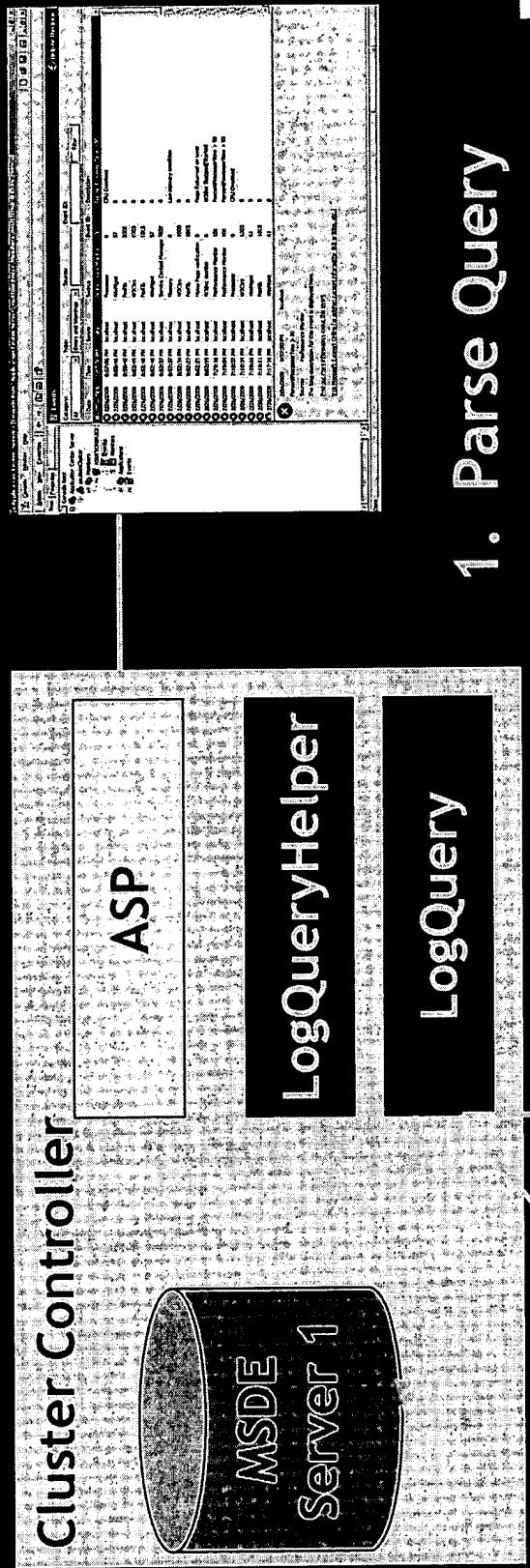


# Distributed Query Architecture



## EXHIBIT B

1. Parse Query
2. Run Query
3. Aggregate and Format Results
4. Return to UI

**Best Available Copy**

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Application Center 2000

# Event Viewer



Application Center Server - [Console Root\Application Center Server\AsolutionCluster\Members\ASOLUTIONRICK\AsEvents]

Console Window Help

Action View Favorites

Events

Category: All Type: Errors and Warnings

Date	Time	Server	Source	Event ID	Description
2/26/2000	8:57:50 PM	localhost	Performance Monitor	101	PercentProcessorTime > 90
2/26/2000	8:55:46 PM	localhost	Win32Mgmt	37	CPU Overload
2/26/2000	8:55:42 PM	localhost	PerfLib	3002	
2/26/2000	8:52:19 PM	localhost	Wactrs	1003	
2/26/2000	8:52:16 PM	localhost	PerfLib	1015	
2/26/2000	8:52:16 PM	localhost	Win32Mgmt	37	Low memory condition
2/26/2000	8:52:16 PM	localhost	Service Control Manager	1032	
2/26/2000	8:52:17 PM	localhost	Memory	0	
2/26/2000	8:52:37 PM	localhost	Wactrs	1003	
2/26/2000	8:52:36 PM	localhost	PerfLib	1015	
2/26/2000	8:52:27 PM	localhost	Home Page Verification	0	Page Returned an error
2/26/2000	8:52:19 PM	localhost	WSRM monitor	0	W3SVC Stopped/Started
2/26/2000	7:28:16 PM	localhost	Performance Monitor	101	PercentProcessorTime > 90
2/26/2000	7:19:54 PM	localhost	Performance Monitor	101	PercentProcessorTime > 90
2/26/2000	7:18:37 PM	localhost	PerfLib	0	CPU Overload
2/26/2000	7:18:34 PM	localhost	Wactrs	1003	
2/26/2000	7:18:16 PM	localhost	Win32Mgmt	61	
2/26/2000	7:18:11 PM	localhost	PerfLib	1015	
2/26/2000	7:17:16 PM	localhost	Win32Mgmt	61	

Help on this page

Filter

Events

Console Root Application Center Server AsolutionCluster Members ASOLUTIONRICK AsEvents

Tree Favorites

Console Window Help

Action View Favorites

Events

Category: All Type: Errors and Warnings

Date Time Server Source Event ID Description

2/26/2000 8:57:50 PM localhost Performance Monitor 101 PercentProcessorTime > 90 CPU Overload

2/26/2000 8:55:46 PM localhost Win32Mgmt 37

2/26/2000 8:55:42 PM localhost PerfLib

2/26/2000 8:52:19 PM localhost Wactrs

2/26/2000 8:52:16 PM localhost PerfLib

2/26/2000 8:52:16 PM localhost Win32Mgmt 37 Low memory condition

2/26/2000 8:52:16 PM localhost Service Control Manager 1032

2/26/2000 8:52:17 PM localhost Memory

2/26/2000 8:52:37 PM localhost Wactrs 1003

2/26/2000 8:52:36 PM localhost PerfLib 1015

2/26/2000 8:52:27 PM localhost Home Page Verification 0 Page Returned an error

2/26/2000 8:52:19 PM localhost WSRM monitor 0 W3SVC Stopped/Started

2/26/2000 7:28:16 PM localhost Performance Monitor 101 PercentProcessorTime > 90

2/26/2000 7:19:54 PM localhost Performance Monitor 101 PercentProcessorTime > 90

2/26/2000 7:18:37 PM localhost PerfLib 0 CPU Overload

2/26/2000 7:18:34 PM localhost Wactrs 1003

2/26/2000 7:18:16 PM localhost Win32Mgmt 61

2/26/2000 7:18:11 PM localhost PerfLib 1015

2/26/2000 7:17:16 PM localhost Win32Mgmt 61

The long description for this event is displayed here.

Find out more information about this event.

Visit Microsoft Support Online for related support information (KB articles, etc.)

Done

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# Events: List View

Eventing Logging Monitoring

Sorted by Date

Severity

Server

Source

Event ID

Description

Help on this pane

Events

Category: All

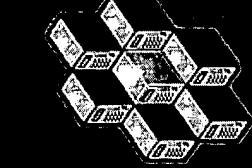
Type: Errors and Warnings

Source: Performance Monitor

Event ID: Filter

Date	Time	Server	Source	Event ID	Description
2/26/2000	8:57:50 PM	localhost	Performance Monitor	101	PercentProcessorTime > 90
2/26/2000	8:58:16 PM	localhost	Win32	37	CPU Overloaded
2/26/2000	8:58:32 PM	localhost	PerfB	2002	
2/26/2000	8:58:39 PM	localhost	W32rs	1003	
2/26/2000	8:58:46 PM	localhost	PerfB	1015	
2/26/2000	8:58:46 PM	localhost	Win32	37	
2/26/2000	8:58:47 PM	localhost	ServiceControl Manager	7002	
2/26/2000	8:58:47 PM	localhost	Memory	0	Low memory condition
2/26/2000	8:58:49 PM	localhost	W32rs	1003	
2/26/2000	8:58:49 PM	localhost	PerfB	1015	
2/26/2000	8:58:51 PM	localhost	Home Page Verification	0	Page Retrieved an error
2/26/2000	8:58:51 PM	localhost	WebSite Monitor	0	W3SVC Stopped Started
2/26/2000	8:58:51 PM	localhost	Performance Monitor	101	PercentProcessorTime > 90
2/26/2000	7:19:54 PM	localhost	Performance Monitor	101	PercentProcessorTime > 90
2/26/2000	7:18:57 PM	localhost	Processor	0	CPU Overloaded
2/26/2000	7:18:59 PM	localhost	W32rs	1003	
2/26/2000	7:18:59 PM	localhost	Win32	61	
2/26/2000	7:18:59 PM	localhost	PerfB	1015	
2/26/2000	7:18:59 PM	localhost	Win32	61	
2/26/2000	8:57:50 PM	localhost	Performance Monitor	101	PercentProcessorTime > 90
		Source	Performance Monitor		The long description for this event is displayed here.
					Find out more information about this event.
					Visit Microsoft Support Online for related support information (KB articles, etc.)

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# Events: Details



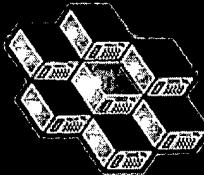
2/26/2000 8:57:50 PM  
localhost  
PercentProcessorTime > 90  
Source: Performance Monitor  
The long description for this event is displayed here.  
[Find out more information about this event](#)  
[Visit Microsoft Support Online for related support information \(KB articles, etc.\)](#)

- Severity, date, time, server
- Description
- Category, subcategory
- Long Message
- Links to help and support



# Cluster Event Rollup

- Rollup in LogQueryHelper
  - Events aggregated across the cluster
  - Sorted by time
- Creates virtual record set
  - Paging in the uses same query
  - Pass GUID of last record seen as bookmark
  - Page up, down, top, bottom
- Unreachable server is “soft error”
  - Available data returned with an error



Application Center 2000

# Performance Viewer



In Application Center Server - [Console Root\Application Center Server\asutton\cluster]

Action View Favorites Tree Favorites

Console Window Help

Console Root Application Center Server\asutton\cluster

Members

- ASUTTONBRICK1 AS Online, Alive
- ASUTTONBRICK2 AS Online, Alive
- asuttonbrick2as Success
- asuttoncluster Unknown

Events

- Monitors
- asuttonbrick2as Events
- Monitors
- Applications
- Events

Cluster Performance

Edited Cluster IP Addresses Synchronize the cluster Refresh

Chosen Period: Fifteen Minutes

Server Status

ASUTTONBRICK1 AS Online, Alive

ASUTTONBRICK2 AS Online, Alive

Synchronization

ASUTTONBRICK1 AS Unknown

asuttonbrick2as Success

asuttoncluster Unknown

Processor Utilization

Memory Available Bytes

Color Name Min Max Average Loss

12.6938125 12.6938125 12.6938125 0 1

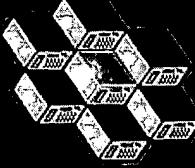
12.93792 12.93792 12.93792 0 0

Add Remove Done

Help on this page

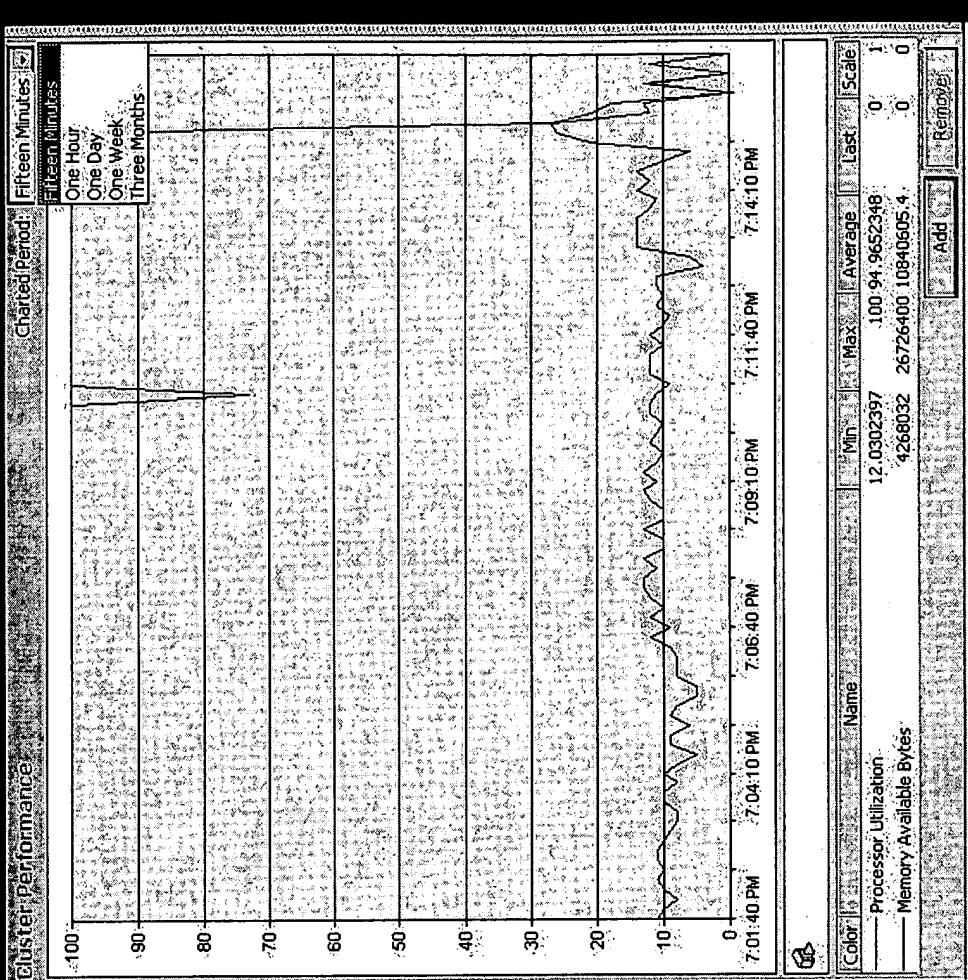
This screenshot shows the Microsoft Application Center Performance Viewer interface. The main window displays performance metrics for a cluster named 'asutton\cluster'. It includes a tree view of cluster members (ASUTTONBRICK1, ASUTTONBRICK2, asuttonbrick2as, asuttoncluster) and their respective event logs. Two line graphs are present: one for 'Synchronization' and another for 'Processor Utilization'. The 'Processor Utilization' graph shows values fluctuating between 12.6938125 and 12.93792 over a fifteen-minute period. The 'Synchronization' graph shows values between 0 and 30. A legend at the bottom defines colors for various status levels: red for 'Unknown', green for 'Success', blue for 'Warning', and yellow for 'Error'.

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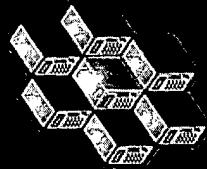
- Add Counters
- Time periods
  - 15 minutes
  - 1 hour
  - 1 day
  - 1 week
  - 3 months
- Auto scaling
- Default counters
- Persist selection



# Performance Viewer



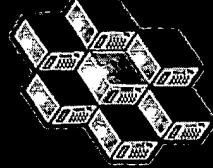
Application Monitor 2000





# Performance Viewer Cluster Rollup

- Aggregation method in counter configuration
  - 0 - None
  - 1 - Average of Values
  - 2 - Sum of Values
  - 3 - Last Value
  - 4 - Min Value
  - 5 - Max Value
- Cumulative counters reset to 0 each session
  - Different from perfmon
  - Growth vs. spikes
- Can't show one counter across server



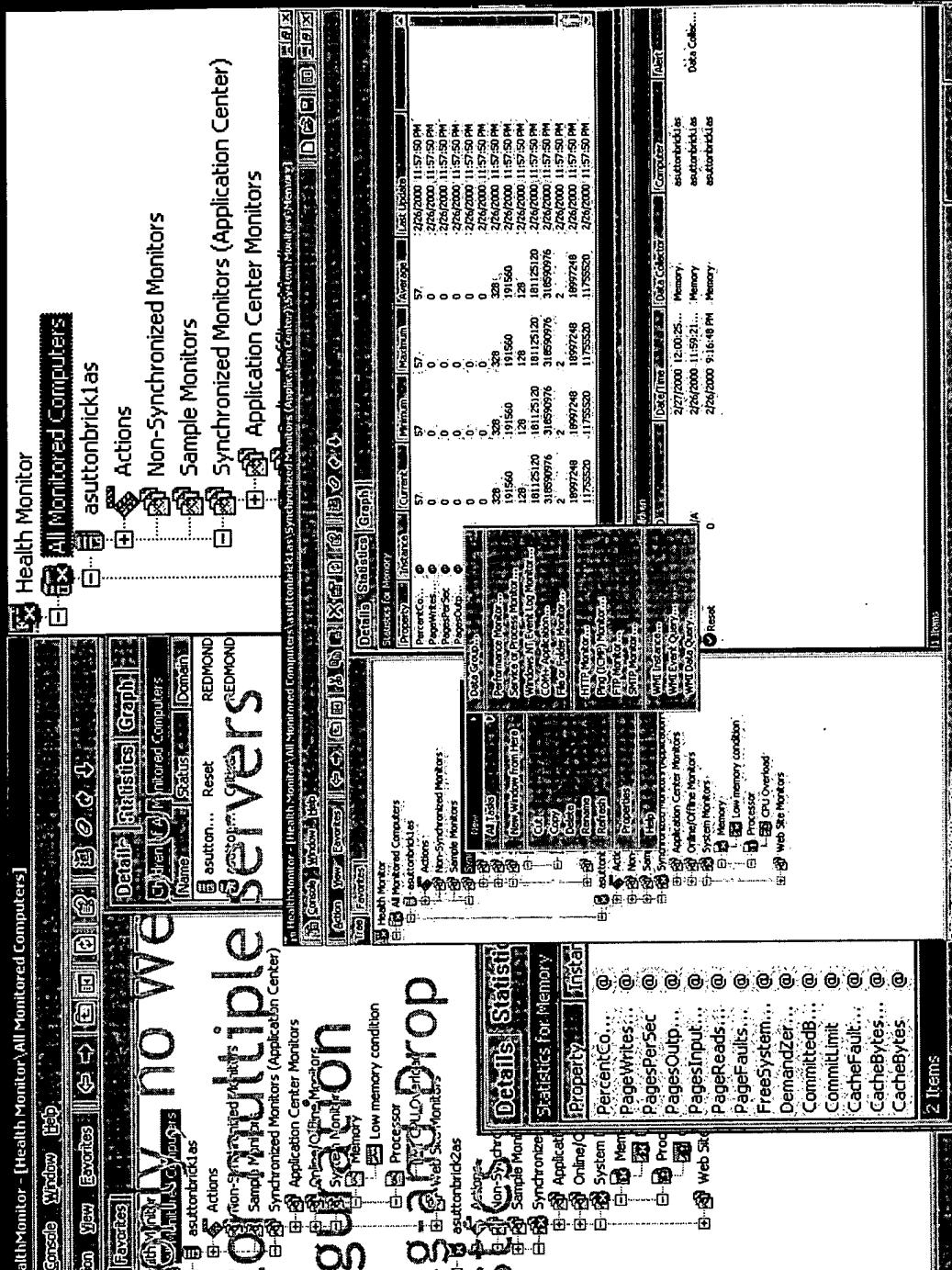
Application Center 2000

# Health Monitor Console

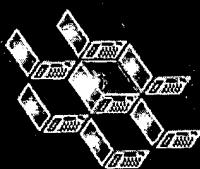


The screenshot shows the System Center Configuration Manager (SCCM) interface. The left navigation pane is expanded, showing the 'Monitoring' node as the current selection. The main content area displays a hierarchical tree structure under the 'Monitoring' node:

- Actions**: Includes icons for 'Run Script', 'Run Task Sequence', 'Run Task Sequence with Monitor', 'Sample Monitor', and 'Synchronized Monitors (Application Center)'.
- Monitoring**: Includes icons for 'Application Center Monitors', 'Cloud Monitors', 'Cloud Monitoring', 'Cloud Monitoring - Memory', 'Cloud Monitoring - Processor', 'Cloud Monitoring - Network', 'Cloud Monitoring - Disk', and 'Cloud Monitoring - File'.
- Configuration**: Includes icons for 'System Center Configuration Manager' and 'System Center Configuration Manager - Network'.
- Drag-and-Drop**: Includes icons for 'buttonbricks' and 'buttonbricks asynchronic'.
- Statistics**: Includes icons for 'Details' and 'Details S'.



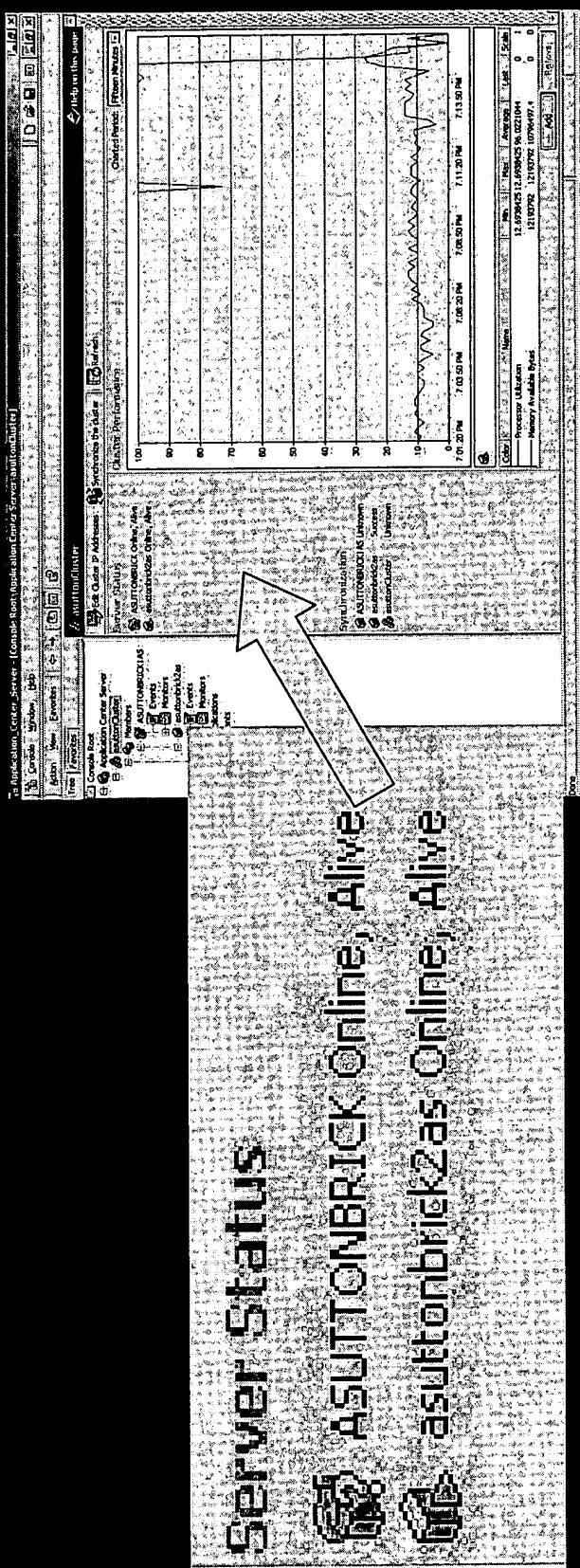
# ԱՐԵՎԱՏՅԱՆ ՀԱՅՈՒԹՅԱՆ ՀԱՅԱՍՏԱՆԻ ՀԱՆՐԱՊԵՏՈՒԹՅԱՆ





# Server Health Rollup

- Top-level view of server health
  - System status from HealthMon
  - Not the online/offline group



**Server Status**

- ASUTTONBRICK online, alive
- ASUTTONBRICK2 as online, alive

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Application Center 2000

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